chromablast™ R
EXTREME DIGITAL COLOR IMAGING SYSTEM

ChromaBlast-R Color Management Driver for the

Ricoh SG

7100DN

USER'S MANUAL

SAWGRASS™ CONSUMER

v20131017

Ricoh SG 7100DN

ChromaBlast-R Driver User's Manual

ChromaBlast-R Driver is equipped with a user-friendly software interface that allows individuals to access and customize driver configuration settings for optimal printing performance. As an added bonus, ChromaBlast-R Driver is also outfitted with several resource and utility features to bring additional help and support for customers looking to bolster their printing experience. Through these powerful features, users are able to gain complete control over their image quality, color output and print options.

1) To view the ChromaBlast-R configuration settings, click your start icon and select Devices and Printers (see *FIGURE 1*). If you are using an older version of Windows OS, you will instead select Printers and Faxes.

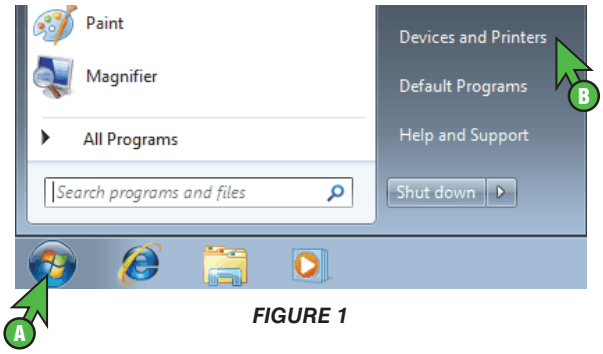


FIGURE 1

2) In the Devices and Printers folder, right-click on the ChromaBlast SG7100DN icon and select Printing Preferences (see *FIGURE 2*).

NOTE: *You can also access the ChromaBlast Driver printing Preferences window by clicking "Print Properties" or "Print Preferences" within the print window of your graphic design software.*

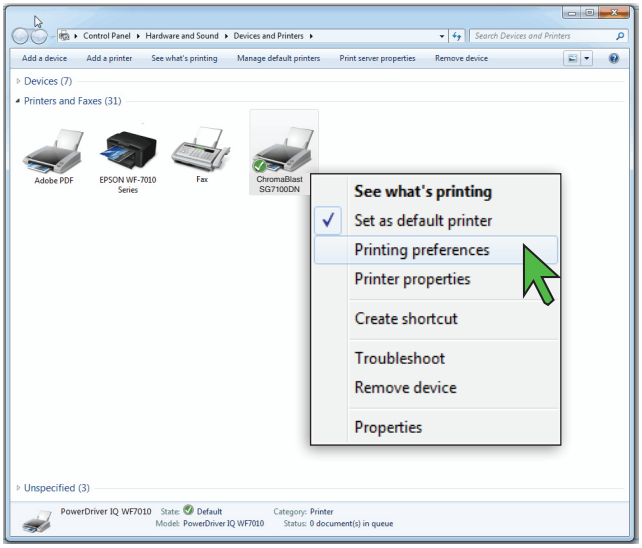


FIGURE 2

3) With the ChromaBlast SG7100DN Printing Preferences window open, click the **Virtual Printer Driver** tab. Here you will find five different **SECTIONS** to utilize (see FIGURE 3).

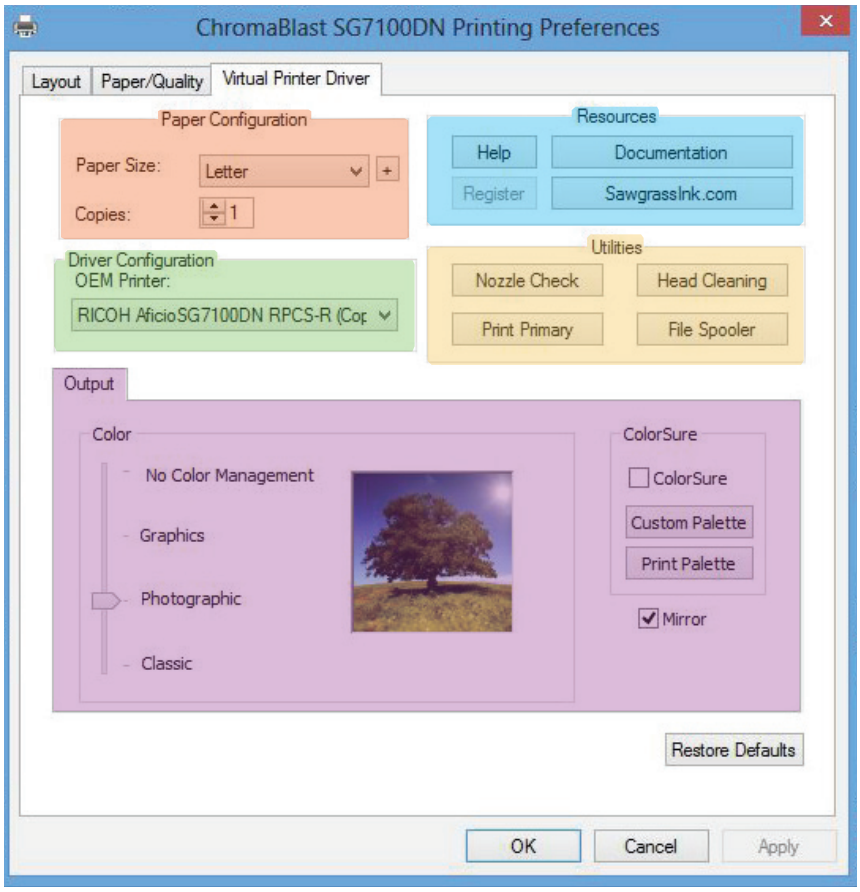


FIGURE 3

SECTION 1 Paper Configuration — Choose Paper Size and Copies

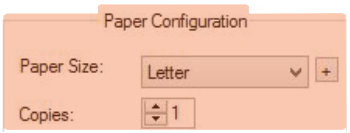
SECTION 2 Driver Configuration — Select OEM printer intended for use

SECTION 3 Output — Adjust Color, Create Palette and Mirror Image

SECTION 4 Resources — Access Documentation, Help and Online Support

SECTION 5 Utilities — Access Resources intended for Printer Maintenance

SECTION 1



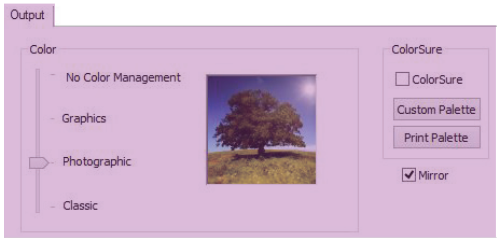
Copies Sets the number of prints needed per image. Use this feature when multiple prints of the same image are needed.

Paper Size Sets the desired output paper size used in the printer. Adjust this to match the size of the transfer paper in the paper tray.

SECTION 2

OEM Sets the OEM printer intended for use with ChromaBlast-R Driver. This feature is particularly useful when printing to multiple printers of the same ink set or multiple printers that require multiple drivers. For instance, if you have two SG7100's and one is for printing ChromaBlast-R while the other is for printing SubliJet-R, you are able to set the printer loaded with ChromaBlast-R as the default printer in the ChromaBlast-R SG7100DN Driver or vice versa. On the other hand, if you have two SG7100's and both are for printing with ChromaBlast-R, you can choose between each printer per print job.

SECTION 3



No Color Management With this setting, color management within the ChromaBlast-R Driver is turned off. As a result, color is managed by the graphics application. The ChromaBlast-R driver was developed using ink specifically designed for the Ricoh SG7100DN printer. Therefore, it is recommended to use either Photographic or Graphics to allow the ChromaBlast-R Driver to manage color.

Graphics This setting is intended as a business graphics color management solution. It is most suitable for business logos and designs that require a more vivid color output.

Photographic This setting is intended as a realistic color management solution. It is most suitable for photographic images containing landscapes or portraits.

Classic This setting is intended to be similar to the profile of the previous generation Ricoh GX e7700N ChromaBlast-R solution. The classic selections allows replication of legacy prints with minimal color variation for seamless transition when upgrading to the Ricoh SG 7100DN ChromaBlast-R solution.

ColorSure Check this box if you want to use the ColorSure color palette. ColorSure is a method for reproducing exact spot colors. By picking colors from the ColorSure Palette, you will be able to consistently reproduce colors in a reliable manner. See the Sawgrass Website for more information about using ColorSure.

Custom Palette Here you can add your own unique colors to the ColorSure palette. ColorSure must be checked in Color Options in order to use this feature.

Print Palette Click here to print the default ColorSure Palette. This feature allows you to see how colors will look once transferred to your desired substrate. Before you print the ColorSure Palette, be sure to choose the paper size, paper type and substrate that most closely resemble those which you are using. The default ColorSure Palette will also contain custom colors once you have added and saved them using the Custom Palette utility.

Mirror Check this box to "flip" or reverse your image. The image reverses again when transferring from paper to substrate. Therefore, you will need to "flip" or reverse the image before printing to the transfer paper.

SECTION 4

Help Click here to access general information about ChromaBlast-R Driver. The help dialog menu also contains a direct links to our website, where you can find the latest driver updates, literature and educational resources offered by Sawgrass Technologies, Inc.

Documentation Click here to view and/or download the latest documentation which will guide you through the installation, registration and setup of your printer, driver and software.

Register Click here to register your product. Registration is required to unlock all product features and functions that ChromaBlast-R Driver has to offer. You must register ChromaBlast-R Driver for every PC on which it is installed.

Sawgrassink.com Click here to access the Sawgrass Technologies, Inc. website. You will find the absolute latest information and updates on all products, materials, processes, and/or procedures relative to all offerings by or through Sawgrass Technologies, Inc.

SECTION 5

Nozzle check Click here to print a test pattern to check nozzle condition. If any of the nozzle patterns are missing or incomplete, then a head cleaning is required.

Head Cleaning Click here to initiate the head cleaning process. This feature is necessary when nozzles are missing thus causing color shift or "banding" in your printed images. You should print a nozzle check to confirm missing nozzles before performing a head cleaning. Repeat the Head Cleaning until a complete nozzle check has been achieved. Cartridge users should only perform two (2) head cleanings, while users of bulk ink systems can try up to five (5). Contact technical support if you fail to achieve a good / complete nozzle check after the recommended amount of cleanings.

Print Primary Click here to print a primary ink chart. This chart contains a series of blocks which represent each ink channel on the print head. It can be useful when attempting to troubleshoot or trying to clear clogged nozzles.

File Spooler Click here to launch the File Spooler Utility. This feature is solely intended for advanced users and technical support for troubleshooting. It allows you to print jobs that were previously processed and saved to disk as text files or print ready files, also known as PRN files.

4) At the top of the ChromaBlast SG7100DN Printing Preference window, click the **Layout** tab. Here you will find four different **SECTIONS** to utilize (see *FIGURE 4*).

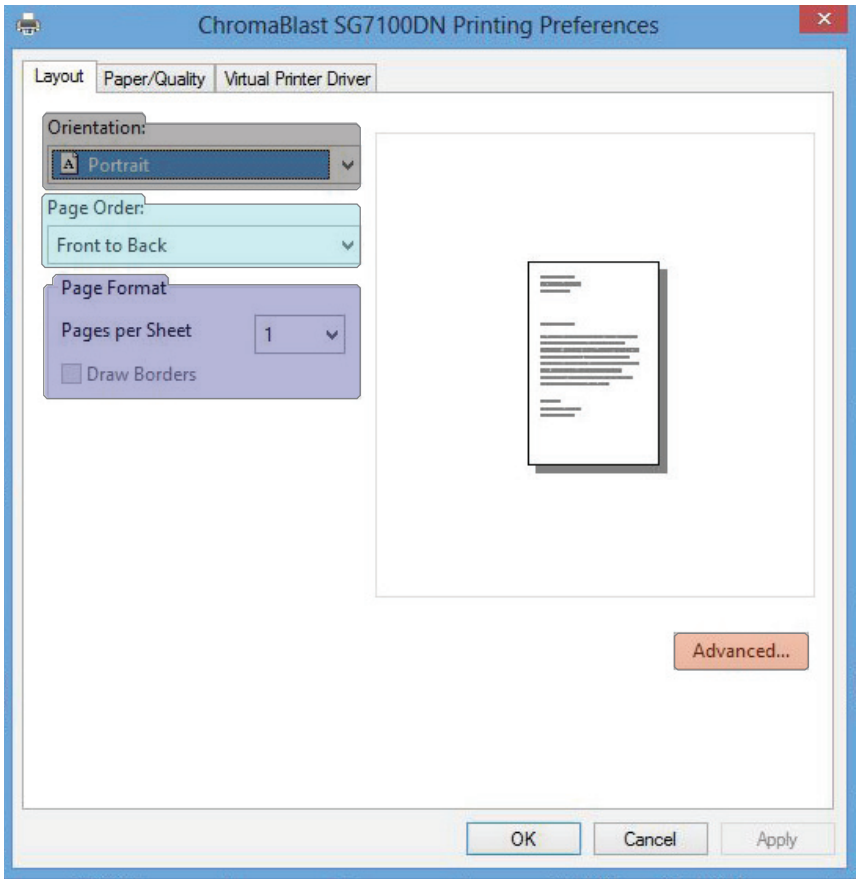


FIGURE 4

SECTION 6 Orientation — Choose the direction in which an image is printed

SECTION 7 Page Order — Sets the chronological order when printing images

SECTION 8 Page Format — Adjust the number of pages per sheet

SECTION 9 Advanced… — Access the current Document Settings

SECTION 6

Portrait With this selection the page height is longer than the width. In other words, the image is printed vertically from top to bottom.

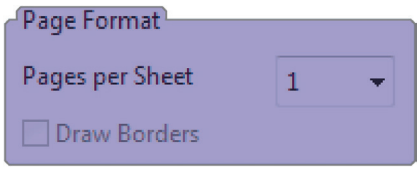
Landscape With this selection the page width is longer than the height. In other words, the image is printed horizontally from left to right.

SECTION 7

Front to Back Using this setting will print the first image first and the last image last. For instance, if 4 different images are printed at the same time, they will print in the following order: 1, 2, 3 and 4.

Back to Front Using this setting will print the last image first and the first image last. For instance, if 4 different images are printed at the same time, they will print in the following order: 4, 3, 2 and 1.

SECTION 8



Pages per Sheet Allows you to fit multiple pages on a single sheet of paper. The default value 1 should be used when printing one image/page per sheet.

Draw Borders Prints frames around the pages printed on each sheet.

SECTION 9

Document Settings Click here for an overview of the default advanced document settings. These settings have been specifically engineered per printer platform and should not be adjusted by the end user.

5) At the top of the ChromaBlast SG7100DN Printing Preferences window, click the **Paper/Quality** tab. Here you will find three different **SECTIONS** to utilize (see *FIGURE 5*).

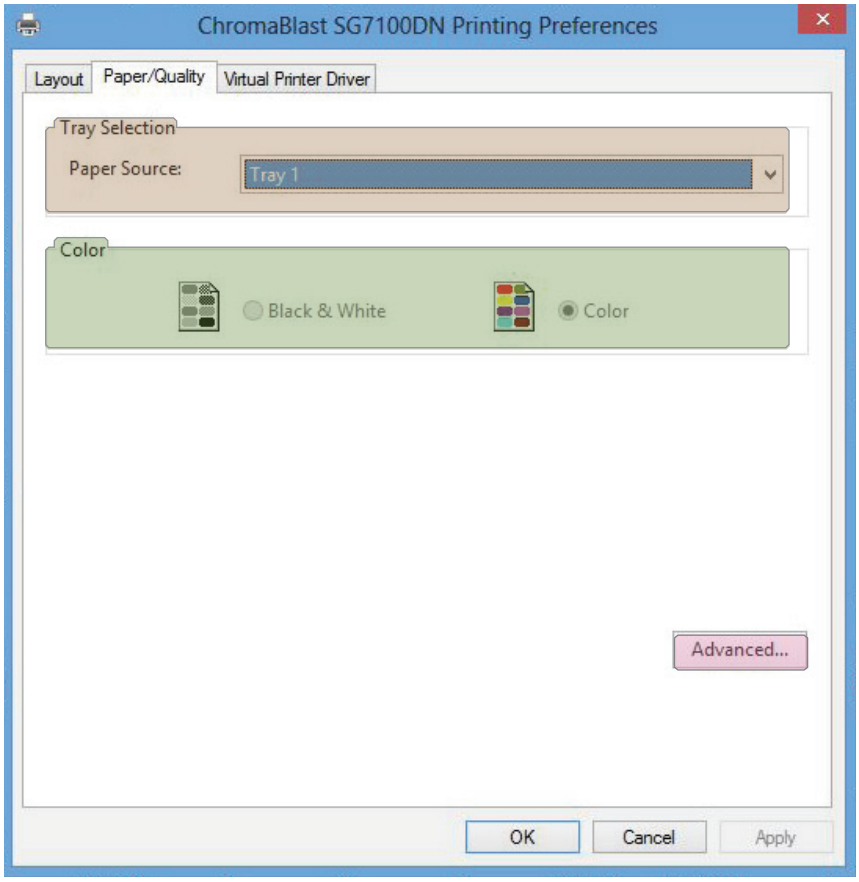


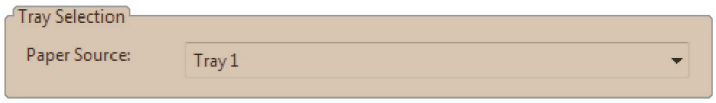
FIGURE 5

SECTION 10 Tray Selection — Allows you to select the printer's paper source

SECTION 11 Color — This default is locked and controlled by ChromaBlast-R

SECTION 12 Advanced… — Access the current Document Settings

SECTION 10



Automatically Select Use this setting if you would like the printer driver to select the appropriate tray as your paper source.

Tray 1 Use this setting if you plan to use the primary paper tray as your paper source. It is recommended to use this as your default paper source.

Bypass Tray Use this setting if your printer is equipped with an additional tray which you would like to use as your primary paper source.

SECTION 11

Black & White This setting has been specifically engineered per printer platform and should not be adjusted by the end user.

Color This setting has been specifically engineered per printer platform and should not be adjusted by the end user.

SECTION 12

Document Settings Click here for an overview of the default advanced document settings. These settings have been specifically engineered per printer platform and should not be adjusted by the end user.

For the absolute latest information and updates on all products, materials, processes and/or procedures relative to all offerings by or through Sawgrass Technologies, Inc., refer to our website:
www.sawgrassink.com